| AMENDMENT OF SOLICITATI  | ON/MODIFICATI                  | ON OF CONT   | RACT         | 1. Contract ID Code Cost Contract |                    | <b>Page</b> 1 <b>Of</b> 9    |  |  |
|--|--------------------------------|--|--------------|-----------------------------------|--------------------|------------------------------|--|--|
| 2. Amendment/Modification No.  | 3. Effective Date              | 4. Requisition/Pur                                   | chase Req    |                                   | 5. Project No.     | (If applicable)              |  |  |
| P00001   | 2004SEP30                      | SEE SCI  | HEDULE       |                                   |                    |                              |  |  |
| 6. Issued By   | Code W56HZV                    | 7. Administered B                                    | y (If other  | than Item 6)                      | ·                  | <b>Code</b> N66020           |  |  |
| TACOM WARREN   |                                | OFFICE OF N  |              |                                   |                    |                              |  |  |
| AMSTA-AQ-ABGD SALLY A. PETROUS (586)573-2202   |                                | ATLANTA REGION OFFICE 100 ALABAMA ST., NW SUITE 4R15 |              |                                   |                    |                              |  |  |
| WARREN, MICHIGAN 48397-5000  |                                | ATLANTA, GA  |              |                                   |                    |                              |  |  |
| HTTP://CONTRACTING.TACOM.ARMY.MIL  |                                |  |              |                                   |                    |                              |  |  |
| EMAIL: PETROUSS@TACOM.ARMY.MIL   |                                |  | SCD C        | PAS NONE                          | ADP 1              | <b>PT</b> N62879             |  |  |
| 8. Name And Address Of Contractor (No., Stre   | et, City, County, State and    |  |              | 9A. Amendmen                      | nt Of Solicitation |                              |  |  |
| THE UNIVERSITY OF TENNESSEE  |                                |  |              |                                   |                    |                              |  |  |
| 404 ANDY HOLT TOWER  |                                |  |              | 9B. Dated (See                    | Item 11)           |                              |  |  |
| KNOXVILLE, TN. 37996-0140  |                                |  |              | Di Dutcu (See                     | 1101111)           |                              |  |  |
|  |                                |  | Х            | 10A. Modifica                     | tion Of Contract   | /Order No.                   |  |  |
|  |                                |  |              | W56HZV-04-C-                      | 0044               |                              |  |  |
| TYPE BUSINESS: Other Educational   |                                |  | }            | 10B. Dated (Se                    | ee Item 13)        |                              |  |  |
| Code 4B958 Facility Code   |                                |  |              | 2003DEC12                         | ,                  |                              |  |  |
| 11. T  | HIS ITEM ONLY APPLI            | ES TO AMENDME  | NTS OF SO    | OLICITATION                       | IS                 |                              |  |  |
| The above numbered solicitation is amend   | led as set forth in item 14.   | The hour and date                                    | specified fo | or receipt of Of                  | fers               |                              |  |  |
| is extended, is not extended.  |                                |  | _            |                                   |                    |                              |  |  |
| Offers must acknowledge receipt of this amo  |                                |  |              |                                   |                    |                              |  |  |
| (a) By completing items 8 and 15, and return offer submitted; or (c) By separate letter or |                                |  |              |                                   |                    | dment on each copy of the    |  |  |
| ACKNOWLEDGMENT TO BE RECEIVED  | 0                              |  |              |                                   |                    |                              |  |  |
| SPECIFIED MAY RESULT IN REJECTION  |                                |  |              |                                   |                    |                              |  |  |
| change may be made by telegram or letter, p<br>opening hour and date specified.            | orovided each telegram or      | ietter makes reieren                                 | ce to the so | oncitation and t                  | nis amendment,     | and is received prior to the |  |  |
| 12. Accounting And Appropriation Data (If rec<br>ACRN: AB NET INCREASE: \$425,000.00       | <b>quired)</b> Payment will be | made by Electron                                     | nic Funds    | Transfer                          |                    |                              |  |  |
| ACRN: AB NET INCREASE: \$425,000.00  |                                |  |              |                                   |                    |                              |  |  |
| 13. THIS   | ITEM ONLY APPLIES T            | O MODIFICATION                                       | S OF CO      | NTRACTS/OR                        | DERS               |                              |  |  |
| KIND MOD CODE: G   | It Modifies The Contra         | act/Order No. As Des                                 | cribed In    | Item 14.                          |                    |                              |  |  |
| A. This Change Order is Issued Pursual<br>The Contract/Order No. In Item 10.               |                                |  |              | The Ch                            | nanges Set Forth   | In Item 14 Are Made In       |  |  |
| B. The Above Numbered Contract/Orde  | er Is Modified To Reflect T    |  | Changes (su  | ich as changes i                  | in paying office,  | appropriation data, etc.)    |  |  |
| Set Forth In Item 14, Pursuant To T  C. This Supplemental Agreement Is Ent                 | •                              |  | agreemen     | it of the par                     | ties               |                              |  |  |
| D. Other (Specify type of modification a   |                                |  |              |                                   |                    |                              |  |  |
|  |                                |  |              |                                   |                    |                              |  |  |
| E. IMPORTANT: Contractor is not,   | <u> </u>                       | this document and                                    |              |                                   | copies to the Issu | 0                            |  |  |
| 14. Description Of Amendment/Modification (  | Organized by UCF section       | neadings, including                                  | soncitatior  | 1/contract subje                  | ect matter wnere   | reasible.)                   |  |  |
| SEE SECOND PAGE FOR DESCRIPTION  |                                |  |              |                                   |                    |                              |  |  |
|  |                                |  |              |                                   |                    |                              |  |  |
|  |                                |  |              |                                   |                    |                              |  |  |
|  |                                |  |              |                                   |                    |                              |  |  |
|  |                                |  |              |                                   |                    |                              |  |  |
|  |                                |  |              |                                   |                    |                              |  |  |
| Except as provided herein, all terms and condi-  | tions of the decomment vefor   | uanaad in itam OA au                                 | 104 og ba    | uotofous shous                    | ad namaina unal    | hanged and in full fares     |  |  |
| and effect.  | nons of the document refer     | renced in item 9A or                                 | TUA, as ne   | eretorore chang                   | eu, i emanis unci  | nangeu anu in iun iorce      |  |  |
| 15A. Name And Title Of Signer (Type or print)  | )                              | 16A. Name  |              | Of Contracting                    | Officer (Type or   | r print)                     |  |  |
|  |                                |  |              | .MIL (586)574                     | 1-7070             |                              |  |  |
| 15B. Contractor/Offeror  | 15C. Date Signed               | 16B. United  | States Of    | America                           |                    | 16C. Date Signed             |  |  |
|  |                                | By   |              | /SIGNED/                          |                    | 2004SEP30                    |  |  |
| (Signature of person authorized to sign)   | _                              |  | ignature o   | f Contracting (                   | Officer)           |                              |  |  |
| NSN 7540-01-152-8070   |                                | 30-105-02  |              |                                   | STANDARD FO        | ORM 30 (REV. 10-83)          |  |  |

### Reference No. of Document Being Continued

PIIN/SIIN W56HZV-04-C-0044

MOD/AMD P00001

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Name of Offeror or Contractor: THE UNIVERSITY OF TENNESSEE

SECTION A - SUPPLEMENTAL INFORMATION

CONTRACT: W56HZV-04-C-0044

MODIFICATION NUMBER: P00001

PURPOSE OF MODIFICATION: This Modification P00001 incorporates additional funding of \$425,000 under CLIN 0101AD to correct the

previous contract amount from \$600,000 to \$1,025,000

PREVIOUS CONTRACT AMOUNT: \$ 600,000 PREVIOUS AMOUNT OBLIGATED: \$ 600,000

AMOUNT OF THIS ACTION: \$ 425,000 AMOUNT OBLIGATED THIS ACTION: \$ 425,000

CURRENT CONTRACT AMOUNT: \$ 1,025,000 TOTAL OBLIGATED: \$1,025,000

=======

1. Basic contract W56HZV-04-C-0044 was inadvertently issued for a total dollar value of \$600,000 based on Task Order UT-001, dated 12/12/03. Task Order UT-001 was written to identify the entire scope of work, but was under valued at \$600,000 in accordance with the amount of funding available at time of basic contract award. Available funding at time of award, however, represented only partial funding for the scope of work put on contract. The full funding amount of this contract should have been \$1,025,000, computed as follows and represents the correct dollar value for the scope of work Section C of basic contract.

Contractor proposed and agreed to amount for W56HZV-04-C-0044: \$1,250,000
Less: Funding from Automotive Research Center \$ 100,000
Less: University of Tennessee contribution \$ 125,000
Total funding requirement for W56HZV-04-C-0044 \$1,025,000

To reconcile this situation, Task Order UT-001, Revision 1, dated 9/29/04 has been issued to increase the dollar value of Task Order UT-001 by \$425,000 from \$600,000 to \$1,025,000. Based on Task Order UT-001, Revision 1, the correct contract amount of \$1,025,000 is hereby funded in accordance with the following CLIN structure:

| CONTRACT REF.     | DESCRIPTION  | TOTAL AMOUNT | PRON #       |
|-------------------|--|--------------|--------------|
| Basic Contract ob | oligation:   |              |              |
| CLIN 0101AA       | Security Automation & Future Electromotive Robotics (S.A.F.E.R.) | \$ 443,600   | E132C497EHEH |
| CLIN 0101AB       | Security Automation & Future Electromotive Robotics (S.A.F.E.R.) | \$ 133,000   | E132C497EHEH |
| CLIN 0101AC       | Security Automation & Future Electromotive Robotics (S.A.F.E.R.) | \$ 23,400    | E132C497EHEH |
|                   | TOTAL BASIC CONTRACT AMOUNT                                      | \$ 600,000   |              |
|                   |  |              |              |
| P00001 Additional | Funding:   |              |              |
| CLIN 0101AD       | Security Automation & Future Electromotive Robotics (S.A.F.E.R.) | \$ 425,000   | R342C236R3EH |
|                   | CORRECTED CONTRACT AMOUNT  | \$1.025.000  |              |

2. The following Sections of the contract are changed as a result of this modification:

#### SECTION A:

Section A is added to include information provided herein.

### SECTION B:

 $\hbox{CLIN 0101AD was established to incorporate the additional funds of $425,000 provided by PRON R32C236R3EH. } \\$ 

Section B narrative is revised to stipulate that this contract is fully funded with \$1,025,000 in accordance with Section I clause FAR 52.232-20, LIMITATION OF FUNDS, only applies in the event of future task orders.

SECTION G: As a result of this Modification, the total amount of the Contract amount is increased by \$425,000 from \$600,000 to \$1.025.000.

3. All terms and conditions of contract W56HZV-04-C-0044 remain unchanged and in full force and effect except for changes made by this modification P00001.

## Reference No. of Document Being Continued PIIN/SIIN W56HZV-04-C-0044

MOD/AMD P00001

**Page** 3 **of** 9

| CE AMOUNT | UNIT PRICE | UNIT | QUANTITY | SUPPLIES/SERVICES  | ITEM NO |
|-----------|------------|------|----------|--|---------|
|           |            |      |          | SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS  |         |
|           |            | LO   |          | DELIVERABLE SERVICE  | 0100    |
|           |            |      |          | NOUN: S.A.F.E.R.<br>SECURITY CLASS: Unclassified   |         |
|           |            |      |          | The contractor shall furnish all the supplies and services to accomplish the Section C Scope of Work, as implemented by individual Task Orders.  |         |
|           |            |      |          | The current negotiated value of CLIN 0100 is as follows:   |         |
|           |            |      |          | Total Estimated Costs \$1,250,000 Less: UT Share \$ 125,000 Less: Army Research Center \$ 100,000 Govt Share this contract: \$1,025,000  |         |
|           |            |      |          | Total Cost by CLIN:  CLIN 0101AA Engrg effort \$ 443,600  CLIN 0101AB Matl & Eqmt \$ 133,000  CLIN 0101AC Travel \$ 23,400  CLIN 0101AD Engrg effort \$ 425,000  Total Estimated Costs \$1,025,000 |         |
|           |            |      |          | (End of narrative A001)  |         |
|           |            |      |          | Inspection and Acceptance INSPECTION: Destination ACCEPTANCE: Destination  |         |
|           |            |      |          |  |         |
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## Reference No. of Document Being Continued PIIN/SIIN W56HZV-04-C-0044

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| ITEM NO | SUPPLIES/SERVICES   | QUANTITY | UNIT | UNIT PRICE | AMOUNT |
|---------|---|----------|------|------------|--------|
| 0101AA  | SERVICES LINE ITEM  |          | LO   |            | \$\$   |
|         | NOUN: S.A.F.E.R.  PRON: E132C497EH PRON AMD: 03 ACRN: AA  AMS CD: 622601HH911   |          |      |            |        |
|         | SubCLIN 0101AA has been established to fund estimated cost for <u>ENGINEERING EFFORT</u> acquired under approved Task Order No. UT-001, dated 12/12/03. Additional funding for <u>ENGINEERING EFFORT</u> provided under SubCLIN 0101AD. |          |      |            |        |
|         | (End of narrative B001)   |          |      |            |        |
|         | Inspection and Acceptance INSPECTION: Destination   |          |      |            |        |
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# Reference No. of Document Being Continued PIIN/SIIN W56HZV-04-C-0044

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| ITEM NO | SUPPLIES/SERVICES   | QUANTITY | UNIT | UNIT PRICE | AMOUNT       |
|---------|---|----------|------|------------|--------------|
| 0101AB  | SERVICES LINE ITEM  |          | LO   |            | \$133,000.00 |
|         | NOUN: S.A.F.E.R.  PRON: E132C497EH PRON AMD: 03 ACRN: AA  AMS CD: 622601HH911   |          |      |            |              |
|         | SubCLIN 0101AB has been established to fund the estimated cost for MATERIAL AND EQUIPMENT acquired under approved Task Order No. UT-001 dated 12/12/03. |          |      |            |              |
|         | (End of narrative B001)   |          |      |            |              |
|         | Inspection and Acceptance INSPECTION: Destination ACCEPTANCE: Destination   |          |      |            |              |
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| ITEM NO | SUPPLIES/SERVICES   | QUANTITY | UNIT | UNIT PRICE | AMOUNT      |
|---------|---|----------|------|------------|-------------|
| 0101AC  | SERVICES LINE ITEM  |          | LO   |            | \$23,400.00 |
|         | NOUN: S.A.F.E.R.  PRON: E132C497EH PRON AMD: 03 ACRN: AA  AMS CD: 622601HH911   |          |      |            |             |
|         | SubCLIN 0101AC has been established to fund the estimated cost for <u>TRAVEL</u> under approved Task Order No. UT-001 dated 12/12/03. |          |      |            |             |
|         | (End of narrative B001)   |          |      |            |             |
|         | Inspection and Acceptance INSPECTION: Destination ACCEPTANCE: Destination   |          |      |            |             |
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| ITEM NO | SUPPLIES/SERVICES  | QUANTITY | UNIT | UNIT PRICE | AMOUNT        |
|---------|--|----------|------|------------|---------------|
| 0101AD  | SERVICES LINE ITEM   |          | LO   |            | \$\$25,000.00 |
|         | NOUN: S.A.F.E.R.  PRON: R342C236R3 PRON AMD: 01 ACRN: AB  AMS CD: 63300553D11  |          |      |            |               |
|         | SubCLIN 0101AD has been established to fund estimated cost for <u>ENGINEERING EFFORT</u> acquired under approved Task Order No. UT-001, REVISION 1 dated 9/29/04. Additional funding for <u>ENGINEERING EFFORT</u> is provided under SubCLIN 0101AA. |          |      |            |               |
|         | (End of narrative B001)  |          |      |            |               |
|         | Inspection and Acceptance INSPECTION: Destination ACCEPTANCE: Destination  |          |      |            |               |
|         | Deliveries or Performance         PERF COMPL           DLVR SCH         PERF COMPL           REL CD         QUANTITY         DATE           001         0         30-SEP-2004  |          |      |            |               |
|         | \$ 425,000.00  |          |      |            |               |
|         |  |          |      |            |               |
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Name of Offeror or Contractor: THE UNIVERSITY OF TENNESSEE

#### B.1 Estimated Cost and Payment

- B.1.1 The estimated cost required under this contract for performance of the scope of work identified in Section C of basic contract is \$1,025,000 of which \$600,000 was funded by basic contract and an additional \$425,000 is hereby funded as a result of this P00001 modification. This estimated cost of \$1,025,000 fully funds this contract in accordance with Section I clause, FAR-232-22, LIMITATION OF COST.
- B.1.2 Allowable cost shall be determined, and payment thereof shall be provided, in accordance with Section I Contract Clause FAR 53-216-7, ALLOWABLE COST AND PAYMENT.

#### B.2 Payment

The contractor may submit public vouchers monthly for payment under this contract. Payment will be made subject to any withholding pursuant to provisions of this contract.

#### B.3 Type Of Contract

- B.3.1 This contract is a two year Cost Only, Task Order (TO) driven, Indefinite Delivery, Indefinite Quantity (IDIQ) type of contract. The effort described in Section C is based on the scope of work identified in task orders UT-001 dated 12/13/03 and UT-001, revision 1 dated 9/29/04 which identify the specific effort the contractor shall perform.
- B.3.2 Prior to award of any future TOs, TACOM will provide the contractor with the draft TO for review. The contractor shall identify applicable costs associated with any future TO's and provide TACOM with a cost proposal for the specific effort. These costs when negotiated, shall constitute the estimated cost of the individual TO.
- B.3.3. TACOM intends to fully fund each future TO as it is awarded; however, the government reserves the right to incrementally fund future TOs if it so desires.
- (a) In the event that a future TO is incrementally funded, an incremental funding schedule will be provided by the government as a part of the contract modification that incorporates the TO.
- (b) In the event that a future TO is fully funded, Section I clause, FAR 52.232-20 "Limitation of Cost," shall apply.
- (c) In the event that a future TO is incrementally funded, Section I clause, FAR 52.232-22 "Limitation of Funds," shall apply.
- B.4 Share Arrangement CLIN 0100
- B.4.1 This is a Cost Only contract with a sharing arrangement. The U.S. Government has agreed to pay \$1,025,000, the University of Tennessee has agreed to pay \$125,000, and funding in the amount of \$100,000 has been provided by Army Research Center. This contract is, therefore, issued in the amount \$1,025,000.
- B.4.2 The U.S. Government will pay to the Contractor the allowable cost reasonably and properly incurred in the performance of CLIN 0100 up to \$1,025,000.

#### B.5 Fee

There shall be no profit or fee chargeable or payable under this contract.

|        | CONTINUATION            | N SHEE     | Г           | Reference No. of Document Being Continued  PIIN/SIIN W56HZV-04-C-0044 MOD/AMD P00001 |                  |    |                   | 0.01 | Page 9 of 9      |
|--------|-------------------------|------------|-------------|--|------------------|----|-------------------|------|------------------|
| Name   | of Offeror or Contracto | or: THE UI | NIVERSITY ( |  |                  |    | WIOD/AVID         |      |                  |
| ECTION | G - CONTRACT ADMINIS    | TRATION D  | ATA         |  |                  |    |                   |      |                  |
|        | PRON/                   |            |             |  |                  |    |                   |      |                  |
| INE    | AMS CD/                 | 0          | BLG STAT/   |  |                  |    | INCREASE/DECREASE |      | CUMULATIV        |
| TEM_   | MIPR                    | ACRN J     | OB ORD NO   |  | PRIOR AMOUNT     |    | AMOUNT            |      | AMOUNT           |
| 101AD  | R342C236R3              | AB         | 1           | \$   | 0.00 \$          | 5  | 425,000.00        | \$   | 425,000.00       |
|        | 63300553D11             |            | 42C236      |  |                  |    |                   |      |                  |
|        |                         |            |             |  | NET CHANGE \$    | \$ | 425,000.00        |      |                  |
| ERVICE | NET CHANGE              |            |             |  |                  |    | ACCOUNTING        |      | INCREASE/DECREAS |
| NAME   | BY ACRN                 | ACCOUN     | TING CLASS  | IFICATIO   | <u>ON</u>        |    | STATION           |      | AMOUNT           |
| rmy    | AB                      | 21 4       | 2040000046  | N6N7EP63   | 33005255Y S20113 |    | W56HZV            | \$   | 425,000.00       |
|        |                         |            |             |  |                  |    | NET CHANGE        | \$   | 425,000.0        |

|                       | PRIOR AMOUNT     | INCREASE/DECREASE | CUMULATIVE         |
|-----------------------|------------------|-------------------|--------------------|
|                       | OF AWARD         | AMOUNT            | OBLIG AMT          |
| NET CHANGE FOR AWARD: | \$<br>600,000.00 | \$<br>425,000.00  | \$<br>1,025,000.00 |